



Containment Split Valve BX-SBV

Highest protection class for users - OEB 5



Technology:

When producing highly active and toxic solid products, Brinox Containment Split Valve BX-SBV – patent pending - is used as docking station to discharge/feed and transfer solid substances in a contained environment.

It is composed of two half flaps: active and passive part. The moving active part is usually fixed on a feeding station, while the passive part is installed on discharging unit. Both parts are equipped with half axis. Only when both parts are connected and locked, the product flow can be opened by rotating both flaps together.

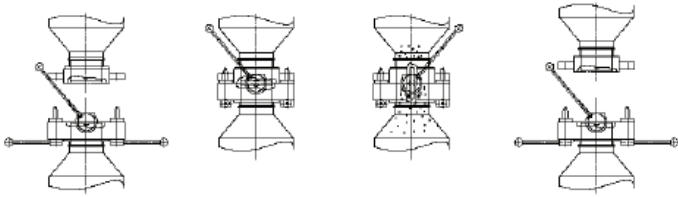
When disconnected, inner surfaces of both flaps are exposed to atmosphere, but they are never in contact with the product. This prevents any surrounding or operator contamination, as well as contamination of the product itself.

Containment Split Valve features:

- Horizontal docking tolerance of ± 14 mm assures **simplified handling**
- **High vertical docking tolerance** due to integration of compensating element
- Metal / metal sealing of flaps and floating support of flaps guarantees **sealed condition preventing any entrance of product** even during rotation movement
- **Pressure proof** execution from -0,5/+3 bar extends the range of application for further processes
- **Control of discharge speed** by adjustment of the flap's opening angle to avoid any segregation of sensitive product
- **SMEPAC-certified**



Docking of BX-SBV:



Technical data:

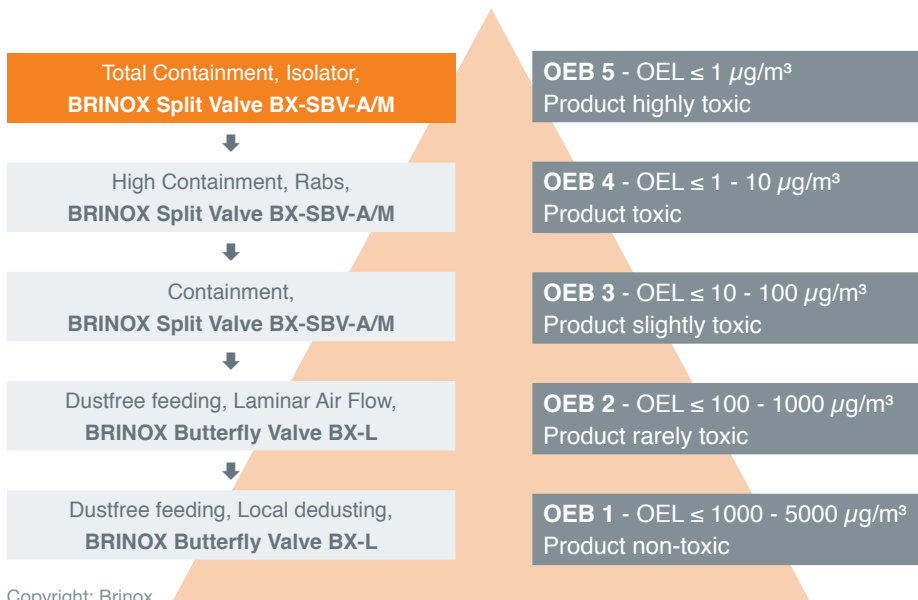
- Sizes: DN 50 – 100 – 150 – 200 – 250 – 300
- Docking/opening: manually driven (M) or automatically driven (A) by compressed air
- Max. operational pressure: -0,5/+3 bar (DN 50: -0,5/+4,8 bar)
- Sealing connection axis: G6 - clearance
- Body, material in contact with product: Stainless steel (AISI 316L, AISI 316Ti)
- Sealing/compensator: BX-special NBR, FDA conform, Shore (A) 80-85, POM, black, FDA conform, Shore (D) 80
- cGMP conform design
- Max. operating temperature 140°C

Brinox Containment Split Valve BX-SBV advantages:

- Use under **High Containment conditions** for protection of operator and products
- **No additional suction** needed
- **Minimized idle times** as no additional protection of operator is required
- **Simplified handling because of vertical and horizontal docking tolerances.** No special handling tools are required nor the feeding bins have to be highly accurate
- **Long life time** due to extremely precise manufacturing
- **Easy to maintain**, as it consists of only few parts
- **Cleaning friendly design**, as it allows in-line (CIP) cleaning and consequently higher availability of use
- **Resistance against cleaning media, detergents and higher temperature** of seals and compensator
- **Sterilisable**



Personalized Solutions



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OEL: Occupational Exposure Limit

OEB: Occupational Exposure Band